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(71) Applicant and

(72) Inventor: COLLINS, amy, L., Tsui [US/US]; 5955
Girvin Drive, Oakland, CA 94611 (US).

(74) Agents: ROBINS, Roberta, L. et al.; Robins & Pasternak
LLP, 1731 Embarcadero Road, Suite 230, Palo Alto, CA
94303 (US).

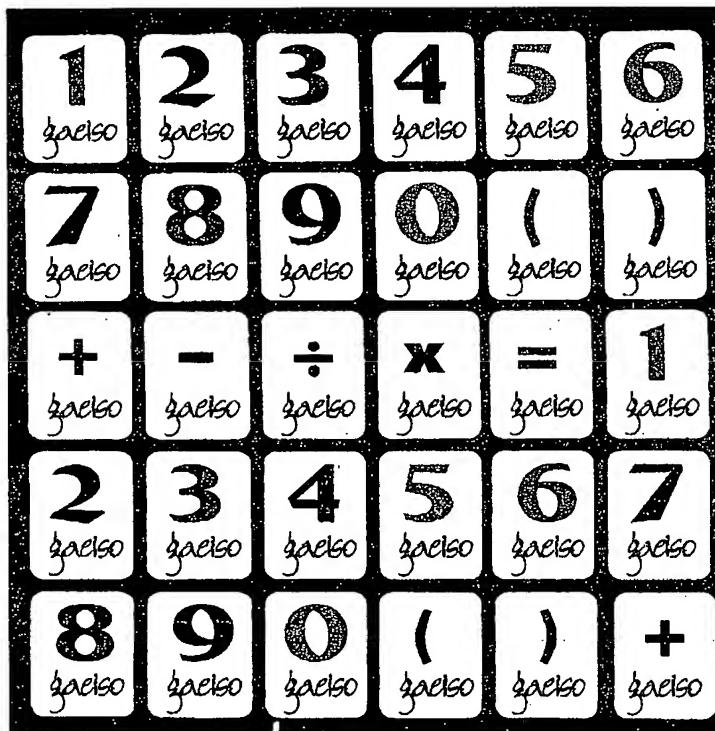
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Published:
— with international search report

[Continued on next page]

(54) Title: EDUCATIONAL GAMES



(57) Abstract: Educational games are provided that include a plurality of sets of tiles or cards or an electronic version thereof, where each tile or card contains a number, a letter of an alphabet, a mathematical symbol or any other symbol that can be used in a mathematical equations, a word, a chemical symbol representing an element of the Periodic Table, or a plurality of letters representing a chemical group, such as an alkyl group. Also provided are methods of playing these games, such as, by each player taking turns to lay down equations or sentences, and methods of making the game set.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

18 January 2007

INTERNATIONAL SEARCH REPORT

 International application No.
 PCT/US05/03307

A. CLASSIFICATION OF SUBJECT MATTER

 IPC(7) : A63F 3/00
 US CL : 273/272;299;287

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 273/272;299/287

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,314,190 A (LYONS) 24 May 1994 (24.05.1994), Entire document.	1-2, 7-10, 17-18, 20-21
X	US 6,581,937 B1 (CRISWELL) 24 June 2003 (24.06.2003), Entire document.	1-15 & 17-21
Y	US 6,343,790 B1 (RHEMM) 05 February 2002 (05.02.2002), Entire document.	14-15

 Further documents are listed in the continuation of Box C.

 See patent family annex.

Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

06 October 2005 (06.10.2005)

Date of mailing of the international search report

22 NOV 2005

Name and mailing address of the ISA/US

 Mail Stop PCT, Attn: ISA/US
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 Facsimile No. (571) 273-3201

Authorized officer

Eugene Kim

Telephone No. (571) 272-4463

PATENT COOPERATION TREATY
PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 2400-0006.40	FOR FURTHER ACTION	
	See item 4 below	
International application No. PCT/US2005/003307	International filing date (<i>day/month/year</i>) 31 January 2005 (31.01.2005)	Priority date (<i>day/month/year</i>) 02 February 2004 (02.02.2004)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant COLLINS, amy, L., Tsui		

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

<input checked="" type="checkbox"/>	Box No. I	Basis of the report
<input type="checkbox"/>	Box No. II	Priority
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI	Certain documents cited
<input type="checkbox"/>	Box No. VII	Certain defects in the international application
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).

Date of issuance of this report 14 December 2006 (14.12.2006)	
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70	Authorized officer Beate Giffo-Schmitt e-mail: pt03@wipo.int

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:
ROBERTA L. ROBINS
ROBINS & PASTERNAK LLP
1731 EMBARCADERO ROAD, SUITE 230
PALO ALTO, CA 94303

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

		Date of mailing (day/month/year) 22 NOV 2006
Applicant's or agent's file reference 2400-0006.40		FOR FURTHER ACTION See paragraph 2 below
International application No. PCT/US05/03307	International filing date (day/month/year) 31 January 2005 (31.01.2005)	Priority date (day/month/year) 02 February 2004 (02.02.2004)
International Patent Classification (IPC) or both national classification and IPC IPC(7): A63F 3/00,1/00 and US Cl.: 273/272;299;287		
Applicant COLLINS, AMY L. TSUI		

1. This opinion contains indications relating to the following items:

<input checked="" type="checkbox"/>	Box No. I	Basis of the opinion
<input type="checkbox"/>	Box No. II	Priority
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI	Certain documents cited
<input type="checkbox"/>	Box No. VII	Certain defects in the international application
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Date of completion of this opinion 31 October 2006 (31.10.2006)	Authorized officer Eugene Kim <i>Eugene Kim</i> Telephone No. (571) 272-4463
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Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/03307

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of:
 the international application in the language in which it was filed
 a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
 a sequence listing
 table(s) related to the sequence listing
 - b. format of material
 on paper
 in electronic form
 - c. time of filing/furnishing
 contained in the international application as filed.
 filed together with the international application in electronic form.
 furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US05/03307

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Claims 14-15

YES

Claims 1-13 & 17-21

NO

Inventive step (IS)

Claims NONE

YES

Claims 1-15 & 17-21

NO

Industrial applicability (IA)

Claims 1-15 & 17-21

YES

Claims NONE

NO

2. Citations and explanations:

Claims 1-13 & 17-21 lack novelty under PCT Article 33(2) as being anticipated by Crisswell (937).

Crisswell discloses a Mathematical Game which teaches the limitations of the above claims.

Claims 1-2, 7-10, 17-18 & 20-21 lack novelty under PCT Article 33(2) as being anticipated by Lyons (190).

Lyons discloses a Mathematical Game which teaches the limitations of the above claims.

Claims 14-15 lack an inventive step under PCT Article 33(3) as being obvious over Crisswell (937) in view of Rhemm (790). Crisswell and Rhemm in combination teach the limitations of these claims.

Claims 1-15 & 17-21 meet the criteria set out in PCT Article 33(4) and thus can be made or used in industry.